

I CLAIM AS MY INVENTION:

1. A user interface for a medical apparatus, comprising:
 - a display screen;
 - a memory containing normal data for at least two parameters;
 - a control unit connected to said screen and to said memory;
 - a signal input connected to said control unit for entering signal data for said at least two parameters into said control unit, ~~said control unit processing said normal data and said signal data and generating a representation of said normal data, processed with said signal data, on said display screen~~; and
 - said control unit causing said signal data for each parameter to be represented on said display screen as a sector in a regular polygon, and said control unit comparing said signal data to said normal data for each parameter and varying an appearance of said sector dependent on a result of the comparison.
2. A user interface as claimed in claim 1 wherein said control unit varies the appearance of the sector only if a difference between the normal data and the signal data exceeds a predetermined threshold value for the parameter represented by the sector.
3. A user interface as claimed in claim 1 wherein said control unit varies an area of said sector to produce a clear visual distinction between said sector and adjacent sectors.
4. A user interface as claimed in claim 3 wherein said control unit varies said area of said sector to increase said area if said signal data are larger than said normal data and to decrease said area if said signal data are less than said normal data.

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5. A user interface as claimed in claim 1 wherein said control unit generates an inner regular polygon on said display screen inside said polygon, representing a lower alarm limit for said at least two parameters.

6. A user interface as claimed in claim 5 wherein said control unit varies said sector in steps toward said lower alarm limit.

7. A user interface as claimed in claim 6 wherein said control unit varies said sector in two steps.

8. A user interface as claimed in claim 1 wherein said control unit generates an outer regular polygon on said display screen, outside of said polygon, representing an upper alarm limit for said at least two parameters.

9. A user interface as claimed in claim 8 wherein said control unit varies said sector in steps toward said upper alarm limit.

10. A user interface as claimed in claim 9 wherein said control unit varies said sector in two steps.

11. A user interface as claimed in claim 1 wherein said control unit generates said sectors in a color, and varies said color dependent on said result of said comparison.

12. A user interface as claimed in claim 1 wherein said control unit generates said regular polygon as a circle.

13. A user interface as claimed in claim 1 wherein said display screen comprises a touch-sensitive surface, and wherein said control unit generates, when a sector is touched, an image containing more detailed information with respect to the parameter represented by the touched sector.

14. A user interface as claimed in claim 1 wherein said control unit generates at least one additional regular polygon on said display screen.

15. A user interface as claimed in claim 14 wherein said control unit stacks said regular polygon and said at least one of additional regular polygon on said display screen, with a polygon among said regular polygon and said at least one additional regular polygon having a largest deviation between said signal data and said normal data being disposed at a top of the stack.

16. A user interface as claimed in claim 14 wherein said control unit causes said regular polygon and said at least one additional regular polygon to be displayed on said display screen in a small format, with one of said regular polygon and said at least one additional regular polygons displayed in a larger format.